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PHA 4152.5(3483)
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of Thaddeus S. Franczyk, II et al.
Serial No. 10/806,081
Filed March 22, 2004
Confirmation No. 1373
For STEROID SPIROLACTONIZATION

Art Unit 1616

June 28, 2004

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INFORMATION DISCLOSURE STATEMENT


In accordance with 37 C.F.R. 1.97 and 1.98 and MPEP 609, and in compliance with the duty of disclosure set forth in 37 C.F.R. 1.56, applicants submit copies of the references listed on the attached PTO/SB/08A for consideration by the Patent and Trademark Office in the above-entitled application and to be made of record therein.

Respectfully submitted,

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PTO/SB/08A INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) 		Complete if Known	
		Application Number	10/806,081
		Filing Date	March 22, 2004
		Confirmation Number	1373
		First Named Inventor	Thaddeus S. Franczyk, II
		Group Art Unit	1616
		Examiner Name	unknown
Sheet 1	of 3	Attorney Docket No.	PHA 4152.5 (3483)

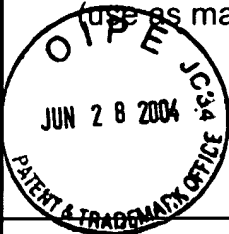
U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ² (if known)		
	1	2,888,471		Sondheimer et al.	05-26-1959
	2	4,168,306		Teutsch et al.	09-18-1979
	3	4,270,994		Behling	06-02-1981
	4	4,559,332		Grob et al.	12-17-1985
	5	5,981,744		Ng et al.	11-09-1999
	6	6,121,465		Mohr et al.	09-19-2000
	7	6,610,844	B2	Ng et al.	08-26-2003
	8	2003/0232981	A1	Pearlman et al.	12-18-2003
	9	2004/0024202	A1	Miller et al.	02-05-2004

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¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached or place an "A" here if English language abstract is attached..

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PTO/SB/08A				Complete if Known	
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Sheet	2	of	3	Attorney Docket No.	PHA 4152.5 (3483)

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T ⁶
		Office	Number ⁴	Kind Code ² (if known)			
/	10	WO	03082895	A2	Pharmacia & Upjohn Company	10-09-2003	

OTHER ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
/	11	KAMATA et al. "Aldosterone Antagonists. 1. Synthesis and Biological Activities of 11 β -,18-Epoxypregnane Derivatives" J. Med. Chem., Vol. 28 (1985) pp. 428-433.	
/	12	COLTON et al. "17-Alkyl-19-nortestosterones" J. Am. Chem. Soc., Vol. 79, No. 5 (1957) pp. 1123-1127.	
/	13	ALONSO et al. "General Synthesis of 1-Oxaspiro[4.5]decan-2-ones and 1-Oxaspiro[4.5]decanes from 5-Methylene-2(5H)-furanone" J. Org. Chem., Vol. 56 (1991) pp. 5567-5572.	
/	14	BULL et al. "Intramolecular Condensation of Steroidal 17 α -Formyl 17 β -Acetates: Model Studies on 19-Norsteroids, and a Route to 3-methoxy-19-nor-17 α -pregna-1,3,5(10)-triene-21,17-carbolactone" Tetrahedron, Vol. 46, No. 15 (1990) pp. 5389-5400.	
/	15	BULL et al. "Intramolecular Condensation of Steroidal 17 α -Formyl-17 β -Acetates: Synthesis of 14-Hydroxymethyl-3-oxo-19-nor-17 α -pregn-4-ene-21,17-carbolactone" Tetrahedron Letters, Vol. 30 (1989) p. 6907-6910.	

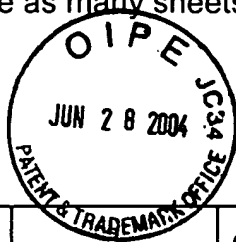
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Sheet	5	of	3	Attorney Docket No.	PHA 4152.5 (3483)



/	16	VELLUZ et al. "Ethynylated Derivatives Related to Adrenosterone and a Steroidal Effect on Experimetnal Hyperlipaemia" J. Am. Chem. Soc., Vol. 80 (1958) p. 2726.	
/	17	JOHNSTONE et al. "Metal-Assisted Reactions-Part 10: Rapid, Stereoselective and Specific Catalytic Transfer Reduction of Alkynes of cis-Alkenes" Tetrahedron, Vol. 37, No. 21 (1981) pp. 3667-3670.	
/	18	VAN RHEENEN et al. "New Synthesis of Cortico Steroids from 17-Keto Steroids: Application and Stereochemical Study of the Unsaturated Sulfoxide-Sulfenate Rearrangement" J. Org. Chem., Vol. 44, No. 9 (1979) pp. 1582-1584.	
/	19	WUTS et al. "A Novel Synthesis of Spironolactone. An Application of the Hydroformylation Reaction" J. Org. Chem., Vol. 54 (1989) pp. 5180-5182.	
/	20	MARSHALL et al. "11-Oxygenated Ethynyl-, Vinyl-, and Ethyltestosterones" J. Biological Chem., Vol. 228 (1957) pp. 339-348.	
/	21	CELLA et al. "Steroidal Aldosterone Blockers. I" J. Org. Chem., Vol. 24, No. 6 (1959) pp. 743-748.	

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